Form PTO 948 (Rev. 8-98) U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office Application No. 231833

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 11/1/99 are:

A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be sumitted according to the instructions on the back of this notice.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings:
Black ink. Color.
Color drawings are not acceptable until petition is granted.
Fig(s) _____
Pencil and non-black ink not permitted. Fig(s) _____

2. PHOTOGRAPHS. 37 CFR 1.84 (b)
____ 1 full-tone set is required. Fig(s) _____
____ Photographs not properly mounted (must use brystol board or photographic double-weight paper). Fig(s) _____
____ Poor quality (half-tone). Fig(s) _____

3. TYPE OF PAPER. 37 CFR 1.84(e)
____ Paper not flexible, strong, white, and durable. Fig(s) _____
____ Erasures, alterations, overwritings, interlineations, or folds. Copy machine marks not acceptable. Fig(s) _____
____ Mylar/vellum paper is not acceptable (too thin). Fig(s) _____

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
____ 21.0 cm by 29.7 cm (DIN size A4)
____ 21.6 cm by 27.9 cm (8 1/2 x 11 inches)
____ All drawing sheets not the same size. Sheet(s) _____
____ Drawings sheets not an acceptable size. Fig(s) _____

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:
Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm
SIZE: A4 Size
Top 1" Left 1" Right 1.5cm Bottom 1.0 cm
SIZE: 8 1/2 x 11 inches
Margins not acceptable. Fig(s) 2-6 & 8-20
_____ Top (T) _____ Left (L)
_____ Right (R) _____ Bottom (B)

6. VIEWS. 37 CFR 1.84(h)
REMINDER: Specification may require revision to correspond to drawing changes.
Partial views. 37 CFR 1.84(h)(2)
____ Brackets needed to show figure as one entity. Fig(s) _____
____ Views not labeled separately or properly. Fig(s) _____
____ Enlarged view not labeled separetely or properly. Fig(s) _____

7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)
____ Hatching not indicated for sectional portions of an object. Fig(s) _____
____ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(f)
____ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____

9. SCALE. 37 CFR 1.84(e)
____ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
____ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 13-16

11. SHADING. 37 CFR 1.84(m)
____ Solid black areas pale. Fig(s) _____
X Solid black shading not permitted. Fig(s) 13-16
____ Shade lines, pale, rough and blurred. Fig(s) _____

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
____ Numbers and reference characters not plain and legible. Fig(s) _____
____ Figure legends are poor. Fig(s) _____
____ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____
____ English alphabet not used. 37 CFR 1.84(p)(2)
____ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____

13. LEAD LINES. 37 CFR 1.84(q)
____ Lead lines cross each other. Fig(s) _____
____ Lead lines missing. Fig(s) _____

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
____ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
____ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____

16. CORRECTIONS. 37 CFR 1.84(w)
____ Corrections not made from prior PTO-948 dated _____

17. DESIGN DRAWINGS. 37 CFR 1.152
____ Surface shading shown not appropriate. Fig(s) _____
____ Solid black shading not used for color contrast. Fig(s) _____

COMMENTS

REVIEWER J.M. DATE 2/3/99 TELEPHONE NO. 703 305 0845

ATTACHMENT TO PAPER NO. _____

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